MAGNETIC BEARING APPARATUS OF QUICK RESPONSE ABSTRACT OF THE DISCLOSURE

A magnetic bearing apparatus having a high speed-of-response and of a low cost is provided. The apparatus comprises a power amplifier for supplying a control current to a coil of an electromagnet of a control-type magnetic bearing and a non-linear component positioned in the rear of a stage where a control input signal S1 of the power amplifier and a current feedback signal S2 is added.